

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1310386

Luminaire Tested: LDSQA3D13R359035DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359035DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

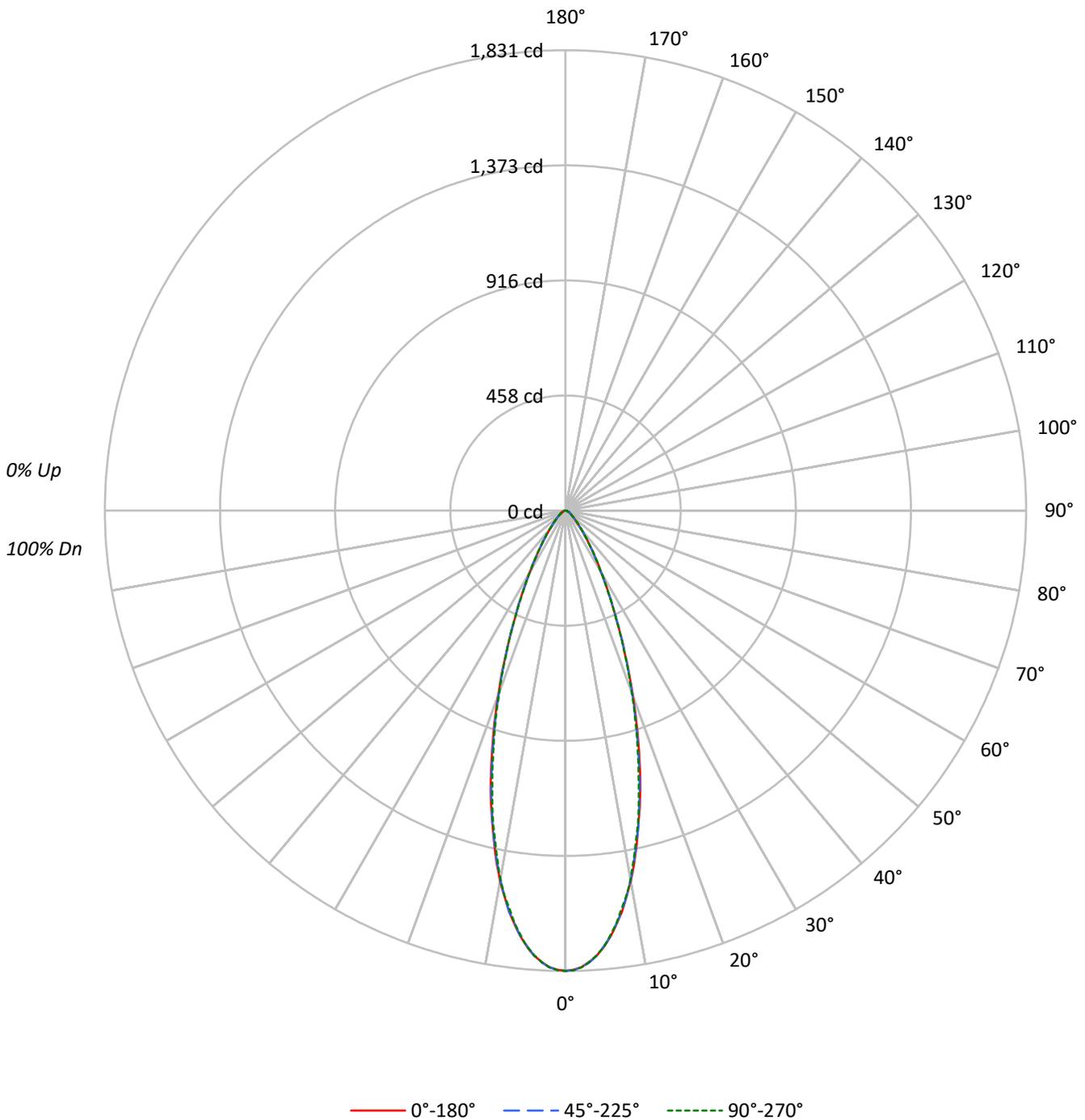
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 903.0 lumens  
Efficiency: N/A  
Efficacy: 61.8 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82	82	82	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77	77	77	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73	73	73	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69	69	69	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65	65	65	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62	62	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59	59	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56	56	56	56

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	315340	315340	315340
5°	301331	300812	301331
10°	261585	260710	260361
15°	204971	203367	200157
20°	143395	142112	141195
25°	91080	91650	91080
30°	56120	56518	56120
35°	34711	34922	34922
40°	22055	22280	22280
45°	14857	15101	15344
50°	10717	10985	10985
55°	8407	8407	8407
60°	6889	6889	6889
65°	6113	6113	6113
70°	5539	5539	5539
75°	4658	4658	4658
80°	3967	3967	3967
85°	1976	1976	3952

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 15344 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.2	17.5
10°-20°	311.6	34.5
20°-30°	224.8	24.9
30°-40°	108.4	12.0
40°-50°	49.9	5.5
50°-60°	25.8	2.9
60°-70°	14.9	1.7
70°-80°	7.5	0.8
80°-90°	1.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	694.6	76.9
0°-40°	803.0	88.9
0°-60°	878.7	97.3
0°-90°	903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1831	1831	1831	1831	1831	
5°	1743	1747	1740	1741	1743	158
15°	1150	1148	1141	1136	1123	313
25°	479	480	482	482	479	225
35°	165	165	166	166	166	108
45°	61	62	62	63	63	49
55°	28	28	28	28	28	25
65°	15	15	15	15	15	15
75°	7	7	7	7	7	8
85°	1	1	1	1	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1831.0	1831.0	1831.0	1831.0	1831.0
1°	1826.0	1829.0	1828.0	1829.0	1828.0
2°	1817.0	1819.0	1817.0	1818.0	1818.0
3°	1798.0	1800.0	1800.0	1799.0	1798.0
4°	1775.0	1780.0	1775.0	1776.0	1773.0
5°	1743.0	1747.0	1740.0	1741.0	1743.0
6°	1703.9	1704.9	1702.9	1701.9	1699.9
7°	1658.9	1662.9	1655.9	1656.9	1654.9
8°	1610.9	1609.9	1609.9	1605.9	1599.9
9°	1552.9	1556.9	1550.9	1548.9	1549.9
10°	1495.8	1495.8	1490.8	1485.8	1488.8
11°	1430.8	1428.8	1425.8	1418.8	1416.8
12°	1359.7	1363.7	1354.7	1351.7	1344.7
13°	1286.7	1292.7	1288.7	1277.7	1278.7
14°	1218.7	1214.7	1211.7	1209.7	1202.7
15°	1149.6	1147.6	1140.6	1135.6	1122.6
17.5°	960.5	962.5	949.5	947.5	942.5
20°	782.4	776.4	775.4	776.4	770.4
22.5°	617.3	623.3	616.3	617.3	613.3
25°	479.3	480.3	482.3	482.3	479.3
27.5°	372.2	372.2	370.2	372.2	369.2
30°	282.2	282.2	284.2	286.2	282.2
32.5°	218.1	218.1	218.1	219.1	220.1
35°	165.1	165.1	166.1	166.1	166.1
37.5°	127.1	128.1	129.1	129.1	129.1
40°	98.1	99.1	99.1	100.1	99.1
42.5°	78.0	78.0	78.0	79.0	79.0
45°	61.0	62.0	62.0	63.0	63.0
47.5°	50.0	50.0	50.0	51.0	51.0
50°	40.0	41.0	41.0	41.0	41.0
52.5°	33.0	33.0	34.0	34.0	34.0
55°	28.0	28.0	28.0	28.0	28.0
57.5°	23.0	24.0	24.0	24.0	24.0
60°	20.0	20.0	20.0	20.0	20.0
62.5°	17.0	17.0	17.0	17.0	17.0
65°	15.0	15.0	15.0	15.0	15.0
67.5°	12.0	13.0	13.0	13.0	13.0
70°	11.0	11.0	11.0	11.0	11.0
72.5°	8.0	9.0	9.0	9.0	9.0
75°	7.0	7.0	7.0	7.0	7.0
77.5°	6.0	5.0	5.0	5.0	6.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.0	1.0	1.0	1.0	2.0
87.5°	0.0	0.0	0.0	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)